

IN THE CLAIMS

Please amend the claims as follows:

Claim 1 (Currently Amended): A data reproduction device for expanding and reproducing compressed data downloaded through a communication network, comprising:

memory means for temporarily storing the compressed data downloaded;

data expanding means for expanding the compressed data stored in the memory means;

reproducing means for performing streaming reproduction on data expanded by the data expanding means;

detecting means for detecting a data size of the compressed data temporarily stored in the memory means and a compression rate of the compressed data downloaded; and

control means for changing ~~controlling to change~~ a threshold value for the data size of the compressed data in accordance with the compression rate detected by the detecting means, and reading the compressed data from the memory means when the data size of the compressed data temporarily stored in the memory means reaches a prescribed threshold or more and transferring the compressed data to the data expanding means, said control means temporarily stopping reproduction when the compressed data is determined as being less than or equal to the threshold value until the compressed data is determined as being greater than the threshold value.

Claim 2 (Original): The data reproduction device according to claim 1, wherein the control means controls to change the threshold value larger when the compression rate of the compressed data temporarily stored in the memory means gets lower and to change the threshold value smaller when the compression rate gets higher.

Claim 3 (Original): The data reproduction device according to claim 2, wherein the detecting means detects the compression rate of the compressed data based on data contained in a header or a footer of a file of the compressed data downloaded.

Claim 4 (Original): The data reproduction device according to claim 2, wherein the detecting means detects the compression rate of the compressed data on the basis of bit rate data of the compressed data downloaded.

Claim 5 (Original): The data reproduction device according to claim 1, wherein the control means controls to change a first threshold value for determining timing to read out and transfer the compressed data from the memory means to the data expanding means and a second threshold value for determining timing to interrupt downloading of the compressed data into the memory means.

Claim 6 (Original): The data reproduction device according to claim 1, wherein the control means controls to change the threshold value in accordance with transmission capability of the communication network.

Claim 7 (Original): The data reproduction device according to claim 1, wherein the compressed data is MP3 (MPEG Audio Layer 3) data.

Claim 8 (Currently Amended): A data reproduction method for expanding and reproducing compressed data downloaded through a communication network, comprising:

(a) ~~a step of~~ making a connection to a server delivering the compressed data;

(b) ~~a step of~~ requesting the server to transfer partial data of a maximum size within such a range that the compressed data does not overflow into a memory means at a time of downloading the compressed data;

(c) ~~a step of~~ starting reproduction compressed data of a prescribed amount is stored;

(d) ~~a step of~~ detecting a data size of compressed data temporarily stored in the memory means, and a compression rate of the compressed data downloaded;

(e) ~~a step of~~ controlling to change a threshold value for the data size of the compressed data in accordance with the compression rate detected in the detecting step (d);

(f) ~~a step of~~ checking whether or not unreproduced compressed data in the memory means becomes less than or equal to the threshold value; and

(g) ~~a step of temporarily~~ stopping reproduction when the compressed data is determined as being less than or equal to the threshold value in the checking until the compressed data is determined as being greater than the threshold value step (f),

wherein ~~the steps~~ (c), (d), (e), (f), (g) are repeated until a transfer request of all data is completed.

Claim 9 (Currently Amended): The data reproduction method according to claim 8, wherein, in the controlling step (e), control is performed to change the threshold value larger when the compression rate of the compressed data temporarily stored in the memory means gets lower, and change the threshold value smaller when the compression rate gets higher.

Claim 10 (Currently Amended): The data reproduction method according to claim 9, wherein in the detecting step (d), the compression rate of the compressed data is detected based on data contained in a header or a footer of a file of the compressed data downloaded.

Claim 11 (Currently Amended): The data reproduction method according to claim 9, wherein in the detecting step ~~(d)~~, the compression rate of the compressed data is detected based on bit rate data of the compressed data downloaded.

Claim 12 (Currently Amended): The data reproduction method according to claim 8, wherein in the controlling step ~~(e)~~, control is performed to change a first threshold value for determining timing to read out the compressed data from the memory means and a second threshold value for determining timing to interrupt downloading of the compressed data into the memory means.

Claim 13 (Currently Amended): The data reproduction method according to claim 8, wherein in the controlling step ~~(e)~~, control is performed to change the threshold value in accordance with transmission capability of the communication network.

Claim 14 (Original): The data reproduction method according to claim 8, wherein the compressed data is MP3 (MPEG Audio Layer 3) data.

Claim 15 (Currently Amended): A computer readable medium including computer executable instructions, wherein the instructions, when executed by a processor implement program for implementing a data reproduction method for expanding and reproducing compressed data downloaded through a communication network, the method comprising program causing a computer to execute:

(a) ~~a step of~~ making a connection with a server delivering the compressed data;

(b) ~~a step of~~ requesting the server to transfer partial data of a maximum size within such a range that the compressed data does not overflow into the memory means at a time of downloading the compressed data;

(c) ~~a step of~~ detecting a data size temporarily stored in the memory means, and a compression rate of the compressed data downloaded;

(d) ~~a step of~~ starting reproduction when compressed data of a prescribed amount is stored;

(e) ~~a step of controlling to change~~ changing a threshold value for the data size of the compressed data in accordance with the compression rate detected in the detecting step (c);

(f) ~~a step of~~ checking whether or not unreproduced compressed data in the memory means becomes less than or equal to the threshold value; and

(g) ~~a step of temporarily~~ stopping reproduction when the compressed data is determined as being less than or equal to the threshold value in the checking until the compressed data is determined as being greater than the threshold value step (f),

wherein; ~~the steps~~ (c), (d), (e), (f), (g) are repeated until a transfer request of all data is completed.

Claim 16 (New): A data reproduction device for expanding and reproducing compressed data downloaded through a communication network, comprising:

a memory configured to temporarily store the compressed data downloaded;

a data expanding unit configured to expand the compressed data stored in the memory;

a reproducer configured to perform streaming reproduction on data expanded by the data expanding unit;

a detector configured to detect a data size of the compressed data temporarily stored in the memory and a compression rate of the compressed data downloaded; and

a controller configured to change a threshold value for the data size of the compressed data in accordance with the compression rate detected by the detector, to read the compressed data from the memory when the data size of the compressed data temporarily stored in the memory reaches a prescribed threshold or more, to transfer the compressed data to the data expanding unit, and to temporarily stop reproduction when the compressed data is determined as being less than or equal to the threshold value until the compressed data is determined as being greater than the threshold value.

Claim 17 (New): The data reproduction device according to claim 16, wherein the controller is configured to change the threshold value larger when the compression rate of the compressed data temporarily stored in the memory gets lower and to change the threshold value smaller when the compression rate gets higher.

Claim 18 (New): The data reproduction device according to claim 17, wherein the detector is configured to detect the compression rate of the compressed data based on data contained in a header or a footer of a file of the compressed data downloaded.

Claim 19 (New): The data reproduction device according to claim 17, wherein the detector is configured to detect the compression rate of the compressed data on the basis of bit rate data of the compressed data downloaded.

Claim 20 (New): The data reproduction device according to claim 16, wherein the controller is configured to change a first threshold value for determining timing to read out

and transfer the compressed data from the memory to the data expanding unit and a second threshold value for determining timing to interrupt downloading of the compressed data into the memory.